

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6397224".pn.	US-PGPUB; USPAT	OR	ON	2006/05/02 14:10
S2	2769	705/2-3.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/01 16:25
S4	530	705/2-3.ccls. and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 16:26
S5	87	705/2-3.ccls. and (encryp\$6 decryp\$6 crypto\$6 enciph\$6 deciph\$6 ciph\$6 scrambl\$6 descrambl\$6 hash\$6) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 17:08
S6	12	705/2-3.ccls. and ("713".clas. "380".clas.) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 17:09
S7	8	("5581749"   "5802199"   "5809494"   "5832494"   "5907677"   "6195661").PN. OR ("6397224"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 17:19
S8	58	((i adj beacon\$4 i-beacon\$4 ibeacon\$4 professional adj solutions).as. (gilbert near2 eric evans near2 kathi clark near2 troy beck near2 karl).in.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 17:20
S10	3	S8 and (encryp\$6 decryp\$6 crypto\$6 enciph\$6 deciph\$6 ciph\$6 scrambl\$6 descrambl\$6 hash\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 17:20
S11	8872	707/100-102.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/01 17:28
S12	3811	707/100-102.ccls. and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 17:28
S13	576	707/100-102.ccls. and @ad<"20001208" and (hash\$6 one adj way adj encryp\$6)	US-PGPUB; USPAT	OR	ON	2006/05/01 17:28
S14	156	707/100-102.ccls. and @ad<"20001208" and (hash\$6 one adj way adj encryp\$6) with (identif\$6 name patient)	US-PGPUB; USPAT	OR	ON	2006/05/01 17:29
S15	68	707/100-102.ccls. and @ad<"20001208" and (hash\$6 one adj way adj encryp\$6) with (identifer name patient)	US-PGPUB; USPAT	OR	ON	2006/05/01 17:40
S16	47	707/100-102.ccls. and @ad<"20001208" and (hash\$6 one adj way adj encryp\$6) with identifier	US-PGPUB; USPAT	OR	ON	2006/05/01 17:58

## EAST Search History

S17	55	master adj patient adj index	US-PGPUB; USPAT	OR	ON	2006/05/01 17:59
S18	9	master adj patient adj index and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 18:07
S19	63	(deidentif\$9 de adj identif\$9) same health\$4	US-PGPUB; USPAT	OR	ON	2006/05/02 11:22
S20	3	(deidentif\$9 de adj identif\$9) same health\$4 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/01 18:08
S21	48	("3752904"   "3896266"   "4993068"   "5003539"   "5005200"   "5070452"   "5214702"   "5299121"   "5301105"   "5371797"   "5471382"   "5502764"   "5644778"   "5652842"   "5664109"   "5666492"   "5704044"   "5724575"   "5754938"   "5758085"   "5758095"   "5787186"   "5793969"   "5799086"   "5799308"   "5821871"   "5825906"   "5832449"   "5867821"   "5876926"   "5890129"   "5915240"   "5918208"   "5920854"   "5956716"   "5970462"   "5991731"   "5995939"   "6003006"   "6012051"   "6014631"   "6018713"   "6024287"   "6079021"   "6249768"   "6317700"   "6341267"   "6496931").PN. OR ("6732113"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 19:10
S22	3	latanya near2 sweeney	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 12:53
S23	0	privacert	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 19:37
S24	29	(deidentif\$9 de adj identif\$9) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 14:18
S25	9	("5754938"   "5875302"   "5915001"   "5996076"   "6052730").PN. OR ("6734886"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 12:19
S26	2	("6389533" "5708828").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:05
S28	1	"6732113".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:05

## EAST Search History

S29	1	verispan	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:08
S30	1	"6302844".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:18
S31	155	(depersonaliz\$ de adj personaliz\$)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:43
S32	45	(depersonaliz\$ de adj personaliz\$) and @ad<"20001208"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:18
S33	85	hipaa and hash\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:40
S34	1	hipaa and hash\$6 and @ad<"20001208"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:43
S35	67	hipaa and one adj way	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:44
S36	3	hipaa and (one adj way hash\$6 digest) and @ad<"20001208"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:07
S39	7	zubeldia.in.	US-PGPUB; USPAT	OR	ON	2006/05/02 14:10
S40	231	(ober near2 stephen grubmuller near2 john farrell near2 maureen wentworth near2 charles gilbert near2 tom barrett near2 kevin davis near2 steven nordman near2 erik grenier near2 randell).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:13
S41	24	S40 and (health medical)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:14
S42	7	de adj id	US-PGPUB; USPAT	OR	ON	2006/05/02 14:17
S43	116	anonym\$9 same (health medical) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 16:45
S44	32	anonym\$9 same (health medical) and @ad<"20001208" and (hash\$6 digest one adj way)	US-PGPUB; USPAT	OR	ON	2006/05/02 14:18
S45	545	hipaa	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:43

## EAST Search History

S46	2265	"705".clas. and ("713".clas. "380". clas. "726.clas")	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:44
S47	127	"705".clas. and ("713".clas. "380". clas. "726.clas") and @ad<"20001208" and (health medical)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:45
S48	1	"705".clas. and ("713".clas. "380". clas. "726.clas") and @ad<"20001208" and (health medical) and (hipaa Health adj Insurance adj Portability adj Accountability adj Act)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:45
S49	2	"705".clas. and ("713".clas. "380". clas. "726.clas") and @ad<"20001208" and (hipaa Health adj Insurance adj Portability adj Accountability adj Act)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:45
S50	1	"6,738,754".pn.	US-PGPUB; USPAT	OR	ON	2006/05/02 15:16
S51	1	"6,692,436".pn.	US-PGPUB; USPAT	OR	ON	2006/05/02 15:20
S52	51	(remov\$6 delet\$6) near2 phi and (medical health)	US-PGPUB; USPAT	OR	ON	2006/05/02 15:20
S53	11	(remov\$6 delet\$6) near2 phi and (medical health) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:28
S54	1	"6148342".pn.	US-PGPUB; USPAT	OR	ON	2006/05/02 15:32
S55	68	anonymous adj identifier	US-PGPUB; USPAT	OR	ON	2006/05/02 15:32
S56	9	anonymous adj identifier and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:32
S57	60	hash\$6 with (private personal) near2 (data information info) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:33
S58	25	anonymous\$4 near2 link\$4 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:57
S59	980	(health medical patient) with (id identif\$8) with (creat\$6 generat\$6) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:58
S60	172	(health medical patient) with (id identifier) with (creat\$6 generat\$6) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 15:58

## EAST Search History

S61	164	(health medical patient) with (id identifier) with (creat\$6 generat\$6) and @ad<"20001208" and (hash\$6 digest one adj way)	US-PGPUB; USPAT	OR	ON	2006/05/02 15:58
S62	43	(health medical patient) with (id identifier) with (creat\$6 generat\$6) and @ad<"20001208" and (hash\$6 digest one adj way)	US-PGPUB; USPAT	OR	ON	2006/05/02 16:53
S63	190	(remov\$4 delet\$4) near5 (personal private) near2 (information data info) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 16:04
S64	17	("3921196"   "3970996"   "4766542"   "4835372"   "5325294"   "5509064"   "5597995"   "5612870"   "5623242"   "5664109"   "5689247"   "5737539"   "5754938"   "5758095"   "5784635"   "5827180"   "5832488").PN. OR ("6654724").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:36
S65	2	("6611846").URPN.	USPAT	OR	ON	2006/05/02 16:45
S67	1	"20020073138".pn.	US-PGPUB; USPAT	OR	ON	2006/05/02 16:49
S68	3	pseudonym with hash\$6 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 16:49
S69	47	(personal private sensitive medical) near2 (information data info) same (delet\$6 remov\$6) same format\$6 same (encryp\$6 decryp\$6 crypto\$6 enciph\$6 deciph\$6 ciph\$6 scrambl\$6 descrambl\$6)	US-PGPUB; USPAT	OR	ON	2006/05/02 16:54
S70	10	S69 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 17:34
S71	13	("4916738"   "5126728"   "5440723"   "5452442"   "5485575"   "5572590"   "5613002"   "5701342"   "5832212"   "5960080").PN. OR ("6678822").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:30
S72	93	(morar near2 john chess near2 david kephart near2 jeffrey swimmer near2 morton white near2 steve).in.	US-PGPUB; USPAT	OR	ON	2006/05/02 17:34
S73	34	S72 and (hash\$6 digest encryp\$6 decryp\$6 crypto\$6 enciph\$6 deciph\$6 ciph\$6 scrambl\$6 descrambl\$6)	US-PGPUB; USPAT	OR	ON	2006/05/02 17:35

## EAST Search History

S74	21	S72 and (hash\$6 digest encryp\$6 decryp\$6 crypto\$6 enciph\$6 deciph\$6 ciph\$6 scrambl\$6 descrambl\$6) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/02 17:35
S75	1	"6640294".pn.	US-PGPUB; USPAT	OR	ON	2006/05/03 14:12
S76	1	"20020073099".pn.	US-PGPUB; USPAT	OR	ON	2006/05/03 14:12
S77	1	("20010027450").PN. OR ("6640294").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 14:13
S78	6	(append\$4 concat\$8 prepend\$6) near2 (seed salt iv initialization adj vector) with hash\$6 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 11:59
S79	454	(append\$4 concat\$8 prepend\$6) near2 (seed salt iv initialization adj vector) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/03 14:24
S80	3	seed adj value adj identifier	US-PGPUB; USPAT	OR	ON	2006/05/03 14:23
S81	30	(append\$4 concat\$8 prepend\$6) near2 (seed salt iv initialization adj vector) with (encod\$6 encryp\$6 scrambl\$6 enciph\$6) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/03 15:03
S82	39	708/254.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/03 15:04
S83	28	708/254.ccls. and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/03 15:04
S84	23	708/254.ccls. and @ad<"20001208" and seed	US-PGPUB; USPAT	OR	ON	2006/05/03 15:04
S85	24	708/254.ccls. and @ad<"20001208" and (seed salt iv initialization adj vector)	US-PGPUB; USPAT	OR	ON	2006/05/03 15:18
S86	4	708/254.ccls. and @ad<"20001208" NOT (seed salt iv initialization adj vector)	US-PGPUB; USPAT	OR	ON	2006/05/03 15:18
S87	22	(append\$4 concat\$8 prepend\$6) with (seed salt initialization adj vector) with hash\$6 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:20
S88	1	"6170744".pn.	US-PGPUB; USPAT	OR	ON	2006/05/04 12:20
S89	333	(append\$4 concat\$8 prepend\$6) near3 hash\$6 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:20

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S90	263	(append\$4 concat\$8 prepend\$6) near2 hash\$6 and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:20
S92	13	(append\$4 concat\$8 prepend\$6) near2 hash\$6 same (seed salt initialization adj vector) and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:21
S93	35	gasch.in.	US-PGPUB; USPAT	OR	ON	2006/05/04 13:21
S94	10	append\$4 near2 hash same length and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:28
S95	67	append\$4 near2 hash and @ad<"20001208"	US-PGPUB; USPAT	OR	ON	2006/05/04 13:55
S96	5	("6944765" "6560706" "6463535" "5497421" "5229768").pn.	US-PGPUB; USPAT	OR	ON	2006/05/04 13:56
S97	30	append\$6 near2 seed and @ad<"20011208"	US-PGPUB; USPAT	OR	ON	2006/05/04 15:31

NPL Search:

"AT&T Bell Laboratories Technical Journal"  
"de-PHI" health  
"sha-1" hash "appended seed"  
"sha-1" hash seed  
"Unix operating system security" grampp  
"de-PHI"  
ATT bell laboratories  
"anonymous identifier" medical  
"de-id" health  
"De-Identification Toolkit"  
"Electronic Patient Records" "Usability vs Security"  
"Electronic Patient Records" hash  
"good practice for general practice"  
"Managing Health Data Privacy and Security: A Case Study from New Zealand"  
"pseudonyms for cancer"  
HIPAA hash  
verispan health  
verispan health "de-identification"  
"A Security Mediator For Health Care Information"  
"A security policy model for clinical information systems"  
"Secrets and Lies: Digital Security in a Networked World"  
"de-identify" hash  
"de-identify" health  
"Multiple hashed binary storage of words"  
Quantin Bouzelat health  
"de-identify"  
"append the hash"  
"CAT(hash" seed  
"CAT(hash, hash)"  
"CAT(hash, seed)"  
"CAT(seed"  
"CAT(seed" hash  
"concatenate hash"  
"multiple hash algorithms"  
"multiple hash algorithms" seed